



## Idea of MSc Thesis project: How to optimize bandwidth usage in adaptive bitrate systems

### Your task include:

Analyzing video quality between the adaptive bitrate levels and analyzing the perceived effect of exchanging the segments between the adaptive bitrate levels based on measured quality.

- Study existing research
- Propose and implement methods for quality measurement
- Perform adaptive bitrate changes based on quality
- Test perceived gain using a standard model and using a group of people
- Propose and present a final solution

### You have good skills in:

- Basic knowledge of video
- Knowledge of low level programming (C, C++, SIMD/AVX)
- Mathematical statistics

In addition to this we would like you to:

- Have a passion for media
- Be quick learner and an ability to plan and execute your work

### Welcome to apply

Apply with CV and a Cover Letter to [masterthesis@netinsight.net](mailto:masterthesis@netinsight.net) with the subject headline, "MSc Thesis Adaptive Bitrate". Or, you could contact us with your own suggestion for a project within a relevant field. For questions: [niusha.sarkeshik@netinsight.net](mailto:niusha.sarkeshik@netinsight.net)